

CLAIMS

What is claimed is:

1. A method for mapping business and engineering processes, comprising the steps of:
 - 5 giving users access to a system for generating an emergent model;
publishing inputs and/or outputs of models generated by the users;
subscribing to the published inputs and/or outputs of models generated
by the users, thereby creating a network of linked inputs and/or outputs;
analyzing and displaying the network of linked inputs and/or outputs,
10 resulting in a map of the business and engineering processes; and
wherein the models generated are used in business and engineering
processes.
2. The method of Claim 1 wherein at least a part of the configuration of the
networks of linked data objects and/or function objects is predefined and used to
15 determine which data objects and/or function objects are generated on which of
the computing devices in the computer network.
3. The method of Claim 1 wherein a user interface is defined that displays the data
objects and/or function objects on a computing device on the computer network
using a client process that communicates with a server process wherein the data
20 objects and/or function objects can be viewed on any computing device
connected to the computer network.
4. The method of Claim 1 wherein the data objects and/or function objects are
stored in logical groups.

5. The method of Claim 1 wherein the references to the data objects and/or function objects are published using electronic media, print media or human conversation.
6. The method of Claim 1 wherein the step of generating the data objects and/or function objects provides an interface mapping for data objects and/or function objects stored in application programs, databases or computer code libraries.
7. The method of Claim 1 wherein the function objects are implemented by computer code that is compiled, dynamically linked and evaluated at runtime.
8. The method of Claim 1 wherein the function objects are implemented by computer code that is interpreted and evaluated at runtime.
9. The method of Claim 1 wherein the sending or receiving of messages can be enabled or disabled based on predefined criteria.
10. The method of Claim 9 wherein the criteria is based upon message source, message destination or message contents.
11. The method of Claim 1 further comprising:
 - identifying a user of the emergent model and assigning appropriate read, write, execute and administrative permissions to the user on a per data objects and/or function objects basis, the permissions being used to limit access to a specific subset of the data objects and/or function objects.